

03/01/02

1132 U.S. PTO

P22029.P01

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

P22029

Total Pages

Inventor(s) or Application Identifier  
Yuki KAWAKITA, Takuya INOUE, Hitoshi KAWABE,  
Hisayoshi ONOUE, Masaru FURUSYO, Kuji OHUCHI, and  
Mikio KAJITitle: FLEXURE LIFE ESTIMATING METHOD, WIRE  
HARNESS DESIGNING METHOD AND PROGRAM  
THEREOF

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

## APPLICATION ELEMENTS

## ACCOMPANYING APPLICATION PARTS

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
- a. ☐ Small Entity  
Statement(s)
3. ☒ Specification  
(preferred arrangement set forth below) [Total Pages 66 ]
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) [Total Sheets 24 ]
5. ☒ Oath or Declaration [Total Pages 6 ]
- a. ☐ Newly executed (original or copy) ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 20 completed)  
[Note Box 6 below]
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Incorporation By Reference (useable if Box 5b is checked)  
The entire disclosure of the prior application, from which a  
copy of the oath or declaration is supplied under Box 5b, is  
considered as being part of the disclosure of the accompanying  
application and is hereby incorporated by reference therein.
7. ☐ Application Data Sheet. See 37 CFR 1.76
8. ☐ CD-Rom or CD-R in duplicate, large table or Computer  
Program (Appendix)

9. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies
10. ☐ Assignment Papers (cover sheet & document(s))
11. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
12. ☐ English Translation Document (if applicable)
13. ☐ Information Disclosure  
Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
14. ☒ Preliminary Amendment
15. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
16. ☒ Figure of Drawing to be published 1
17. ☒ Foreign priority claimed
- a. ☒ Claim of Priority
- b. ☒ Certified Copies of Priority Document(s)
18. ☒ Assignee: SUMITOMO WIRING SYSTEMS, Ltd. of  
Yokkaichi-city, JAPAN and SUMITOMO ELECTRIC INDUSTRIES,  
Ltd. of Osaka, JAPAN
19. ☒ Other: Cover Letter Under 37 CFR 1.53(b) and (f)

20. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior Application No. \_\_\_\_\_, filed \_\_\_\_\_.  
Prior application information: Examiner: \_\_\_\_\_ Group Art Unit: \_\_\_\_\_21. ☐ Amend the specification by inserting before the first line the sentence:

This application is a \_\_\_\_\_ continuation-in-part, \_\_\_\_\_ continuation, \_\_\_\_\_ divisional, of Application No. \_\_\_\_\_, filed \_\_\_\_\_.

Address all future correspondence to **Customer No. 7055** at the present address of:GREENBLUM & BERNSTEIN, P.L.C.  
1941 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191

Date



07055

PATENT TRADEMARK OFFICE

*Lester J. Bernstein*  
Signature  
33,329  
Bruce H. Bernstein, Reg. No. 29,027  
Typed or Printed Name

## FEE TRANSMITTAL

## Complete if Known

|                      |                       |
|----------------------|-----------------------|
| Application Number   | Not Yet Assigned      |
| Filing Date          | Concurrently Herewith |
| First Named Inventor | Y. KAWAKITA et al.    |
| Group Art Unit       | Unassigned            |
| Examiner Name        | Unassigned            |

TOTAL AMOUNT OF PAYMENT (\$908.00)

Attorney Docket Number P22029

## METHOD OF PAYMENT (check one)

## FEE CALCULATION (continued)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089

Deposit Account Name GREENBLUM &amp; BERNSTEIN, P.L.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3))
- ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)
- ☐ Applicant Claims Small Entity Status See 37 CFR 1.27.

2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION (fees effective 10/01/01)

## 1. FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101            | 740             | 201            | 370             | Utility filing fee     | 740      |
| 106            | 330             | 206            | 165             | Design filing fee      |          |
| 107            | 510             | 207            | 255             | Plant filing fee       |          |
| 108            | 740             | 208            | 370             | Reissue filing fee     |          |
| 114            | 60              | 214            | 80              | Provisional filing fee |          |

SUBTOTAL (1) (\$) 740

## 2. CLAIMS

| Total Claims              | Extra | Fee from below | Fee Paid |
|---------------------------|-------|----------------|----------|
| 16 -20=                   | 0     | x 18 =         | 0        |
| Independent 5 -3=         | 2     | x 84 =         | 168      |
| Multiple Dependent Claims |       | x 280 =        | 0        |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 103            | 18              | 203            | 9               | Claims in excess of 20                                  |
| 102            | 84              | 202            | 42              | Independent claims in excess of 3                       |
| 104            | 280             | 204            | 140             | Multiple dependent claim                                |
| 109            | 84              | 209            | 42              | Reissue independent claims over original patent         |
| 110            | 18              | 210            | 9               | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 168

## 3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid |
|----------------|-----------------|----------------|-----------------|--|----------|
| 105            | 130             | 205            | 65              | Surcharge - late filing fee or oath  |          |
| 127            | 50              | 227            | 25              | Surcharge - late provisional filing fee or cover sheet.                    |          |
| 139            | 130             | 139            | 130             | Non-English specification  |          |
| 147            | 2,520           | 147            | 2,520           | For filing a request for reexamination                                     |          |
| 112            | 920*            | 112            | 920*            | Requesting publication of SIR  |          |
| 113            | 1,840*          | 113            | 1,840*          | Prior to Examiner action   |          |
| 115            | 110             | 215            | 55              | Requesting publication of SIR after Examiner action                        |          |
| 116            | 400             | 216            | 200             | Extension for response within 1st month                                    |          |
| 117            | 920             | 217            | 460             | Extension for response within 2nd month                                    |          |
| 118            | 1,440           | 218            | 720             | Extension for response within 3rd month                                    |          |
| 128            | 1,960           | 228            | 980             | Extension for response within 4th month                                    |          |
| 119            | 320             | 219            | 160             | Extension for response within 5th month                                    |          |
| 120            | 320             | 220            | 160             | Notice of Appeal   |          |
| 121            | 280             | 221            | 140             | Filing a brief in support of an appeal                                     |          |
| 138            | 1,510           | 138            | 1,510           | Request for oral hearing   |          |
| 140            | 110             | 240            | 55              | Petition to institute a public use proceeding                              |          |
| 141            | 1,280           | 241            | 640             | Petition to revive unavoidably abandoned application                       |          |
| 142            | 1,280           | 242            | 640             | Petition to revive unintentionally abandoned application                   |          |
| 143            | 460             | 243            | 230             | Utility issue fee (or reissue)   |          |
| 144            | 620             | 244            | 310             | Design issue fee   |          |
| 122            | 130             | 122            | 130             | Plant issue fee  |          |
| 123            | 50              | 123            | 50              | Petitions to the Commissioner  |          |
| 126            | 180             | 126            | 180             | Petitions related to provisional applications                              |          |
| 581            | 40              | 581            | 40              | Submission of IDS  |          |
| 146            | 740             | 246            | 370             | Recording each patent assignment per property (times number of properties) |          |
| 149            | 740             | 249            | 370             | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 179            | 740             | 279            | 370             | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 169            | 900             | 169            | 900             | Request for Continued Examination (RCE)                                    |          |
|                |                 |                |                 | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$) 0

\*Reduced by Basic Filing Fee paid

## SUBMITTED BY

## Complete (if applicable)

Typed or Printed Name Bruce H. Bernstein

Reg. Number

29,027

Signature

Date

3/1/02

Deposit Account User ID

P22029.P03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :Y. KAWAKITA et al.

Serial No :Not Yet Assigned

Filed :Concurrently Herewith

For :FLEXURE LIFE ESTIMATING METHOD, WIRE HARNESS DESIGNING METHOD  
AND PROGRAM THEREOF

**COVER LETTER ACCOMPANYING U.S. PATENT APPLICATION  
FILED UNDER 37 C.F.R. 1.53(b) and 1.53(f)**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

Enclosed is a new patent application for filing in the U.S. Patent and Trademark Office under 37 C.F.R. 1.53(b) and 1.53(f) in which the Declaration and Power of Attorney attached thereto are in unexecuted form. A properly executed Declaration and Power of Attorney will be filed within the time period set forth in the Notice to File Missing Parts of Application, unless such time period has been extended by the filing of a petition accompanied by the extension fee under the provisions of 37 C.F.R. 1.136(a).

Related to this, a correspondence address is provided in the unexecuted Declaration and Power of Attorney, and is as follows:

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1941 Roland Clarke Place  
Reston, Va. 20191

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- Respectfully submitted,  
Y. KAWAKITA et al.

*Bruce H. Bernstein*  
Bruce H. Bernstein  
 Reg. No. 29,027

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